

# **CHEMISTRY 302 COURSE INFORMATION - WINTER TERM 2005**

## **ENVIRONMENTAL CHEMISTRY I**

### **INTRODUCTION**

Welcome to Chemistry 302. This is a half-course in Environmental Chemistry at the third year level. It assumes the required background of first year chemistry. It is intended for students interested in chemistry in the context of the environment.

This course is revised each time it is offered. We welcome your constructive criticisms and suggestions.

### **TEXTBOOKS**

There is one textbook required for this course:

Environmental Chemistry, Second Edition by Nigel Bunce

There are a number of textbooks on various aspects of environmental chemistry available through the library. Material not in the textbook may be assigned. You will find it useful to have access to texts for first year chemistry and for physical chemistry. Recommended supplementary reading includes:

Environmental Chemistry by Colin Baird

Atmospheric Chemistry by Barbara J. Finlayson-Pitts and James N. Pitts, Jr.

Environmental Chemistry, Fifth Edition by Stanley E. Manahan

Fundamentals of Environmental Chemistry by Stanley E. Manahan

Environmental Organic Chemistry by René P. Schwarzenbach, Philip M. Gschwend, and Dieter M. Imboden

Atmospheric Chemistry and Global Change by Guy P. Brasseur, John J. Orlando, and Geoffrey S. Tyndall

All of the above have been placed on reserve in the library in addition to several books on Physical Chemistry.

### **LECTURES AND TUTORIAL**

There is one lecture section for this course held MWF 10:30-11:20 pm in room 6-217. The tutorials are in room 6-217 1:30- 2:20 pm on Thursdays.

The lecturer is:

Professor Margot E. Mandy

Office: 8-412

Telephone: 960-6676

E-mail: [mandy@unbc.ca](mailto:mandy@unbc.ca)

My schedule is posted on my door. I am available for consultation by mutual convenience.

## **LABORATORY**

The laboratory will be taught by Senior Laboratory Instructor, Dr. Umesh Parshotam (Office 8-438). There is a meeting at 3 pm on Thursday 6 January in Room 8-459 at which further details on the laboratory will be available.

You must pass the laboratory in order to pass the course.

## **TERM TESTS AND PROBLEM SETS**

There will be several problem sets and two midterms in this course.

## **CALCULATORS AND ELECTRONIC DEVICES IN TESTS AND EXAMINATIONS**

The university's regulations and policies restrict devices permitted during an examination to those for which the instructor has given written permission. A student may use an electronic calculator during tests and exams in this course, providing it is incapable of communicating with other electronic devices and has no memory that persists when the calculator is switched off and back on. No multipurpose electronic devices are permitted. No other electronic devices are permitted.

## **MARKS**

The mark in this course will be assigned as follows:

Problem Sets	25%
Two Term Tests	10% each
Laboratory	25%
Final Exam	30%
Total	100%

Penalties for Academic Offenses will be in accordance with UNBC Regulations and Policies. See page 111-112 of the 2004-2005 UNBC Undergraduate Calendar.